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GOWLINGSRECEIVED
CENTRAL FAX CENTER
APR 04 2005Suite 4900
Commerce Court West
Toronto, Ontario
Canada M5L 1J3
Telephone (416) 862-7525
Facsimile (416) 862-7661
www.gowlings.comPeter Milne
Direct (416) 862-5790
Direct Fax (416) 863-3590
Assistant (416) 862-3623
peter.milne@gowlings.com

Facsimile

To: Examiner Tran, Hien Thi - Group Art Unit 1764
Company: United States Patent and Trademark Office
City/Country: Arlington, VA U.S.A.
Fax Number: 703-872-9306
Phone Number: 571-272-1454

Date: April 4, 2005
U.S. Patent Application No. 09/891,326
Filed: 07/27/2001
Re: Title: REVERSE FLOW CATALYTIC MUFFLER
Applicant: Glenn Knight
Total Pages: 11 (including cover)
File Number: T8466414US
CopyTrak #: 2137

I hereby certify that the attached response to the Notice of Non-Compliant Amendment (37CFR 1.121) dated March 18, 2005 is being facsimile transmitted to the United States Patent and Trademark Office on the date shown below.



Peter Milne, Registration No. 34,534

Date: April 4, 2005

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APR 34 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the application of:

Applicant: Glenn Knight

Serial No.: 09/891,326

Filed: 07/27/2001

Title: REVERSE FLOW CATALYTIC MUFFLER

Our Ref.: T8466414US

Examiner: TRAN, Hien Thi

Art Unit: 1764

Response to Notice of Non-Compliant Amendment (37 CFR 1.121)

To: Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Date: April 4, 2005

This a response to the Notice of Non-Compliant Amendment dated March 18, 2005 in the above case.

Applicant encloses new sections for amendments to the disclosure and amendments to the claims herewith.

Applicant respectfully disagrees with the Legal Instruments Examiner's suggestion that the amendments to the specification previously submitted do not show where the changes are to be made. Applicant previously submitted copies of the actual pages which were to be amended with the page number at the top and line

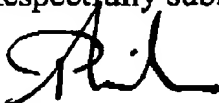
-2 -

numbering down the side and the changes indicated with brackets and underlining. Nevertheless for the sake of further clarity, Applicant has reconfigured the section pertaining to the amendments to the disclosure to specifically set out the page and line numbers of the paragraphs to which amendments are being made and to delete the non-amended paragraphs.

The resubmitted claim amendments add double rather than single brackets and in one instance replace square brackets with a strike out.

Applicant respectfully submits that the response is fully compliant with 37 CFR 1.121 and respectfully requests that the response be considered.

Respectfully submitted,



Peter Milne
Registration No. 34,534

PM:mym

Enc.

- 3 -

In the Disclosure

Please amend the paragraphs commencing at page 4 line 20, page 6 line 8 and page 7 line 3 in accordance with the revisions shown on the following pages.

-4 -

Page 4 line 20:

The housing 12 has a first chamber 14 at one end thereof, and, a second chamber 16 at the opposite end. A ~~[[catalyst]]~~ reactor bed 18 occupies the space between the first chamber 14 and the second chamber 16. The ~~[[catalyst]]~~ reactor bed 18 may be a catalyst bearing ceramic (or possibly other) substrate having a honeycomb like configuration with a plurality of discrete flow passages 20 extending longitudinally therethrough. Accordingly, the first and second chambers, 14 and 16 respectively, fluidly communicate with each other through the reactor bed 18.

Page 6 line 8:

Gas is therefore directed to flow from the inlet passage 30 into the first part 42 of the first chamber 14, through the first zone 60, through the first part 52 of the second chamber 16, through the second zone 62 of the reactor bed 18 into the second part 44 of the first chamber 12 and through the third zone 64 of the reactor bed into the second part 54 of the second chamber ~~[[18]]~~ 16. If the outlet passage 32 communicates with the second part 54 of the second chamber 18, gas will be discharged therethrough.

Page 7 line 3

One manner of configuring the catalytic muffler 10 is illustrated in the exploded view of Figure 2. The housing 12 is made up of first and second disc-shaped parts 80 and 82 which may be joined at respective outer edges to a sleeve 90. The first baffle member or assembly 40 may be generally P-shaped, or alternatively, T-shaped and act as a spacer to locate the reactor bed 16 within the housing 12. The second baffle member or assembly 50 may be rectangular or

- 5 -

alternatively, generally D-shaped and act as a further spacer to locate the reactor bed 18 within the housing 12. Retainer rings 92 may also be provided to engage the interior of the sleeve 90 to locate the reactor bed 18.